

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087766 A2

(51) International Patent Classification⁷: **C07K 19/00,**
C12N 15/62

(21) International Application Number:
PCT/TB2004/001049

(22) International Filing Date: 5 April 2004 (05.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/460,490 4 April 2003 (04.04.2003) US

(71) Applicant (for all designated States except US): **UNIVERSITE DE LAUSANNE** [CH/CH]; Rue du Bugnon 21, CH-1005 Lausanne (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DEPERTHES, David** [FR/CH]; Chemin de Varmey 15A, CH-1299 Crans-Pres-Celigny (CH). **CLOUTIER, Sylvain** [CA/CH]; Chemin de Boissonnet 63, CH-1010 Lausanne (CH). **MACH, Jean-Pierre** [CH/CH]; Avenue de Valmont 18, CH-1010 Lausanne (CH). **HOLLER, Nils** [DE/CH]; Sunnhale 6, CH-3271 Radelfingen b. Aarberg (CH). **FATTAH, Omar** [LB/CH]; Grand-rue 9, CH-1183 Bursins (CH).

(74) Agent: **KATZAROV S.A.**; 19, rue des Epinettes, CH-1227 Genève (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEPTABODY FOR CANCER TREATMENT

(57) Abstract: The present invention relates to an isolated and recombinant fusion peptabody, which binds to a member of the epidermal growth factor receptor useful in inhibiting the growth of certain tumor cells. Also disclosed are, nucleic acids encoding said isolated and recombinant fusion peptabody, kits and pharmaceutical compositions comprising said isolated and recombinant fusion peptabody as an active substance. Finally, a method for the manufacture of said isolated and recombinant fusion peptabody, and its use for the preparation of a medicament for the treatment or prevention of cancer are provided.

WO 2004/087766 A2